

## ABSTRACT OF THE DISCLOSURE

A method for enabling synchronization of a communications terminal in a wireless communication system, and a corresponding acquisition system of the communications terminal, wherein the method consists of the steps of: receiving a burst at a receiver of the communications terminal, the burst containing a composite waveform including two or more component waveforms, wherein each of the two or more waveforms has a known frequency variation throughout the burst; detecting the presence of the composite waveform; and estimating a frequency offset and a timing offset of the composite waveform as received into <sup>the</sup> ~~said~~ receiver, whereby synchronization is achieved.